



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of  
Invention

Asymmetric Modem Communications Systems and Method

Application Number: 10/601693  
Confirmation Number: 7220  
First Named Applicant: William Betts  
Attorney Docket Number: TI-30518A

Search string: ( 3610829 or 3646445 or 3758861 or 3806810  
or 3825831 or 3862371 or 3922497 or 4491869  
or 4492953 or 4597073 or 4610018 or 4633483  
or 4731834 or 4860313 or 4884285 or 4890303  
or 4933956 or 4937844 or 4953180 or 4958158  
or 4991169 or 5031195 or 5033062 or 5040190  
or 5095497 or 5103227 or 5150381 or 5177734  
or 5233629 or 5329308 or 5343500 or 5394437  
or 5396519 or 5406583 or 5410754 or 5450412  
or 5450530 or 5475711 or 5483530 or 5528679  
or 5550881 or 5550908 or 5579369 or 5631923  
or 5652782 or 5663982 or 5671251 or 5724393  
or 5801695 or 5809075 ),pn.

### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
JJ	1	3610829	1971-10-05	Dinkel			
JJ	2	3646445	1972-02-29	Reindl			
JJ	3	3758861	1973-09-11	De Jager			
JJ	4	3806810	1974-04-23	Widmer			
JJ	5	3825831	1974-07-23	Ishiguro			
JJ	6	3862371	1975-01-21	Neustadt			
JJ	7	3922497	1975-11-25	Artom			
JJ	8	4491869	1985-01-01	Heitmann			
JJ	9	4492953	1985-01-08	Rathgeber			
JJ	10	4597073	1986-06-24	Staples			
JJ	11	4610018	1986-09-02	Rabaey			



JJ	12	4633483	1986-12-30	Takahashi
JJ	13	4731834	1988-03-15	Duttweiler
JJ	14	4860313	1989-08-22	Shpiro
JJ	15	4884285	1989-11-28	Heynen
JJ	16	4890303	1989-12-26	Bader
JJ	17	4933956	1990-06-12	Forney, Jr.
JJ	18	4937844	1990-06-26	Kao
JJ	19	4953180	1990-08-28	Fieschi
JJ	20	4958158	1990-09-18	Hashizume
JJ	21	4991169	1991-02-05	Davis
JJ	22	5031195	1991-07-09	Chevillat
JJ	23	5033062	1991-07-16	Morrow
JJ	24	5040190	1991-08-13	Smith
JJ	25	5095497	1992-03-10	Aman
JJ	26	5103227	1992-04-07	Betts
JJ	27	5150381	1992-09-22	Forney, Jr.
JJ	28	5177734	1993-01-05	Cummiskey
JJ	29	5233629	1993-08-03	Paik
JJ	30	5329308	1994-07-12	Binns
JJ	31	5343500	1994-08-30	Betts
JJ	32	5394437	1995-02-28	Ayanoglu
JJ	33	5396519	1995-03-07	Betts
JJ	34	5406583	1995-04-11	Dagdeviren
JJ	35	5410754	1995-04-25	Klotzbach
JJ	36	5450412	1995-09-12	Takebayashi
JJ	37	5450530	1995-09-12	Snyder
JJ	38	5475711	1995-12-12	Betts
JJ	39	5483530	1996-01-09	Davis
JJ	40	5528679	1996-06-18	Taarud
JJ	41	5550881	1996-08-27	Sridhar
JJ	42	5550908	1996-08-27	Cai
JJ	43	5579369	1996-11-26	Feiner
JJ	44	5631923	1997-05-20	Kaku
JJ	45	5652782	1997-07-29	Hughes-Hartogs
JJ	46	5663982	1997-09-02	Hodge
JJ	47	5671251	1997-09-23	Blackwell



JJ	48	5724393	1998-03-03	Dagdeviren
JJ	49	5801695	1998-09-01	Townshend
JJ	50	5809075	1998-09-15	Townshend

## Remarks

Note: Remarks are not for responding to an office action.

As this submission is prior to the first office action, Applicant believes that no fee is due. As a precautionary measure, Applicant is submitting the standard \$180 fee via ePave 5.1. If no fee is due, please refund the excess fee (or charge any other required fee) to the deposit account of Texas Instruments Incorporated, Account No. 20-0668.

## Signature

Examiner Name	Date
/Jaison Joseph/	11/09/2006



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<b>Title of Invention</b>	<b>Asymmetric Modem Communications Systems and Method</b>																																								
<p>Application Number: 10/601693 Confirmation Number: 7220 First Named Applicant: William Betts Attorney Docket Number: TI-30518A Search string: ( 5818870 or 5991278 or 6111935 or 6151333 ).pn.</p>																																									
<b>US Patent Documents</b>  <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p>																																									
<table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td>JJ</td><td>1</td><td>5818870</td><td>1998-10-06</td><td>Yaguchi</td><td></td><td></td><td></td></tr><tr><td>JJ</td><td>2</td><td>5991278</td><td>1999-11-23</td><td>Betts</td><td></td><td></td><td></td></tr><tr><td>JJ</td><td>3</td><td>6111935</td><td>2000-08-29</td><td>Hughes-Hartogs</td><td></td><td></td><td></td></tr><tr><td>JJ</td><td>4</td><td>6151333</td><td>2000-11-21</td><td>Arimilli</td><td></td><td></td><td></td></tr></tbody></table>		init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	JJ	1	5818870	1998-10-06	Yaguchi				JJ	2	5991278	1999-11-23	Betts				JJ	3	6111935	2000-08-29	Hughes-Hartogs				JJ	4	6151333	2000-11-21	Arimilli			
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<b>Remarks</b>  <p>Note: Remarks are not for responding to an office action.</p> <p>As this submission is prior to the first office action, Applicant believes that no fee is due. Also, this IDS is a continuation (ePave 5.1 only allows 50 references per submission) of the IDS filed earlier today. Thus any fee due will have been paid by the earlier IDS. However, please charge any required fee-including any needed extension of time fee-to the deposit account of Texas Instruments Incorporated, Account No. 20-0668.</p>																																									
<b>Signature</b>																																									
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FORM PTQ-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.  <b>TI-30518A</b>	SERIAL NO.  <b>10/601,693</b>			
<b>LIST OF DOCUMENTS CITED BY APPLICANT</b> <i>(Use several sheets if necessary)</i>								
				APPLICANT <b>Betts</b>				
				FILING DATE <b>6/23/03</b>	GROUP <b>TBD</b>			
<b>U.S. PATENT DOCUMENTS</b>								
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)		
	AA							
	AB							
	AC							
	AD							
	AE							
	AF							
	AG							
	AH							
	AI							
	AJ							
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	AN							
	AO							
	AP							
	AQ							
	AR							
	AS							
<b>FOREIGN PATENT DOCUMENTS</b>								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
JJ	AT	DE 3416818	7/04/85	Germany			Yes	
JJ	AU	EP 0566331	10/20/93	Europe				
JJ	AV	JP 2241244	9/25/90	Japan			Yes	
JJ	AW	WO 96/18261 A2	6/13/96	PCT				
JJ	AX	WO 96/18261 A3	6/13/96	PCT				
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>								
EXAMINER				DATE CONSIDERED				
<b>/Jaison Joseph/</b>				<b>11/09/2006</b>				
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>								

